

the configuration files are not self-propagating, such as in a protocol like GVRP, but require some user intervention to set up and/or modify across the network.

Please replace the paragraph on page 59, lines 11-14 with the following:

95 Only VLAN 26 crosses the Network Zone boundary. Local VLANs in Network Zone 1 remain local. Local switch 1 propagates V26 to its upstream regional switch thus creating a forwarding path across the regional switch 613 to local switch 612 and demarcation device 603.

In the Drawings:

Please amend Figs. 30 and 33, as set forth in red ink on the attached copies of the drawings as filed.

REMARKS

The foregoing amendments correct typographical and reference numbering mistakes in the application as filed.

Entry of the amendments and examination of the application are requested.

Respectfully submitted,



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ATTACHMENT UNDER RULE 1.121

The changes to the paragraph on page 41, lines 12-22 are the following:

Another [Ather] access service option is Fully Redundant Single Tenant Access Service as illustrated in Fig. 30, including redundant demarcation devices 200, 220 and redundant switches [204] 201, 221 with redundant drops 204, 222, 223, 224 for each demarcation device-access switch pair. Fully Redundant Single Tenant Access Service protects against the same failures that Redundant Switch Single Tenant Access Service does and in addition protects against failure of a demarcation device and the failure of the customer-owned equipment attached to a service interface. Both service interfaces 203, 225 are activated for customer use but the ability to simultaneously use them will depend on the details of the routing protocol being used by the customer. Similarly the ability of the customer-owned equipment to detect a failure and start using a service interface on the other demarcation device will depend on the details of the routing protocol being used by the customer.

The changes to the paragraph on page 42, lines 7-15 are the following:

In another situation co-location facility access is used as shown in Figs. 33 and 34. In some ways Co-location Facility Access is like multi-tenant access. However, the secure MAN service provider will have leased space in the facility in which the customer demarcation device is placed. The preferred configuration for a co-location facility is shown in Fig. 33. The demarcation device 320 is in the customer's rack 321 and dual connected back to different switches 322, 323 located in a secure MAN rack 324. These connections are effected by Gigabit Ethernet multi-mode fiber cross-connects. The customer-owned equipment connects to the demarcation device with the appropriate Ethernet cable. Additional customers may use the same co-location facility, as shown by demarcation device 326 [324] in rack 325.

The changes to the paragraph on page 49, lines 1-5 are the following:

For point-to-multipoint service, two or more service interfaces are associated. One of the service interfaces is designated as the Root while each remaining service interface is designated as a Leaf. The rules for delivery and discard for packets sourced at the Root are

detailed in [Tabel] Table 8. The rules for delivery and discard for packets sourced at a Leaf are laid out in Table 9.

The changes to the paragraph on page 57, lines 3-7 are the following:

If GVRP is not supported by a POP (and/or local/regional) switch, VLANs are con-figured manually on all switches and ports in the path between the endpoints of the virtual connection (including redundant paths). By "manual configuration," it is meant that the configuration files are not self-propagating [self-propogating], such as in a protocol like GVRP, but require some user intervention to set up and/or modify across the network.

The changes to the paragraph on page 59, lines 11-14 are the following:

Only VLAN 26 crosses the Network Zone boundary [boundry]. Local VLANs in Network Zone 1 remain local. Local switch 1 propagates V26 to its upstream regional switch thus creating a forwarding path across the regional switch 613 to local switch 612 and demarcation device 603.

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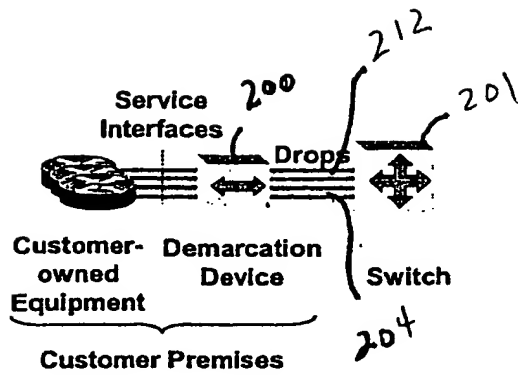


FIG. 29

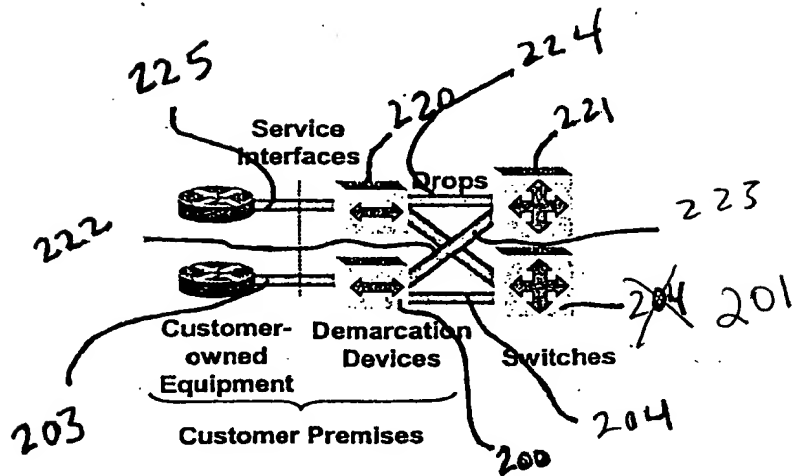


FIG. 30

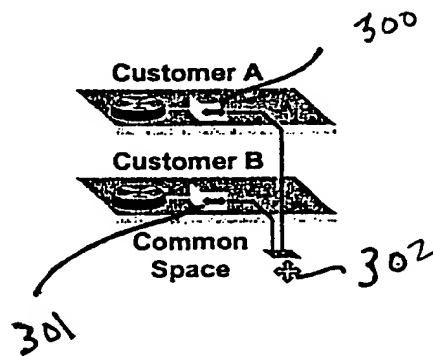


FIG. 31

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FIG. 32

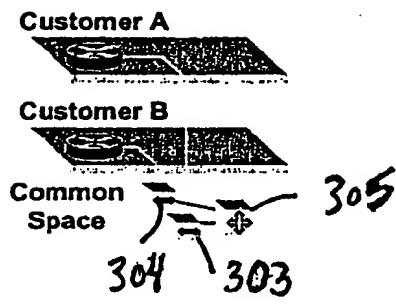


FIG. 33

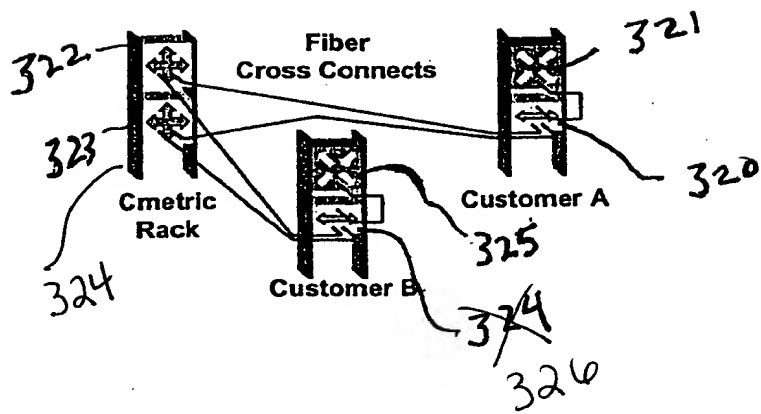


FIG. 34

